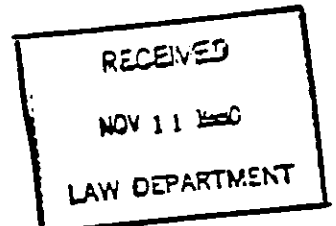


عليه

1. 本會之宗旨，在於研究、推廣、普及、提高、發展、及改進、
 2. 本會之組織，由會員、幹事、及職員、
 3. 本會之經費，由會員、幹事、及職員、

November 7, 1980

Thomas F. Ahrensfield, Esq.
Max H. Crohn, Jr., Esq.
Joseph Greer, Esq.
Arnold Henson, Esq.
Ernest Pepples, Esq.
Arthur J. Stevens, Esq.



Enclosed please find a research proposal submitted by Drs. Charles Puglia and Jay Roberts. They have requested a renewal of their research project that was supported by a CTR Special Project in 1979-80. The amount requested for the new one-year project is \$64,686.00.

I have enclosed also copies of the progress reports submitted by Drs. Puglia and Roberts in reference to their current research project. Dr. Puglia believes that based on increased levels of antioxidant components, there is an adaptation of the rat lung to cigarette smoke. His new project will focus on these observed antioxidant defense mechanisms and their possible effect on the rat lung response to nitrogen dioxide.

* As indicated in the enclosures, Dr. Roberts' part of the research project deals with the effects of nicotine on heart rythm in rats. Dr. Roberts believes that his preliminary results indicate that tobacco smoke exposure does not significantly affect atrial and ventricular activity and may suggest that an adaptation has taken place in the experimental animal. Dr. Roberts hopes to continue his study of the possible "pacemaker" effects of tobacco smoke in rats and also examine the reactions of rats at different age levels.

We have discussed both aspects of this research project with Dr. Gardner and it is his view that they are worthy of

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support. We recommend that the research proposal submitted by
Drs. Puglia and Roberts be approved as a CTR Special Project.

Your earliest possible response is appreciated.

Sincerely,



Patrick M. Sirridge

PMS:sh
Enc.

cc & enc: Alexander Holtzman, Esq.
Ms. Janet C. Brown
Edwin J. Jacob, Esq.

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